



Bay Area 2007 Ozone Strategy

Public Workshop
April 12, 2007



Overview of Workshop

- Background re: ozone planning & 2005 Ozone Strategy
- Links with other programs & initiatives
- 2007 Ozone Strategy
 - Legal & regulatory context
 - Scope of 2007 Ozone Strategy
 - Process & Timeline
- Answer your questions / Solicit your ideas



Ozone Background

- Ground-level ozone produced by photochemical process:
precursors (ROG & NO_x) x sun/heat = O₃
- Regional pollutant
- Potential health effects:
 - damage to respiratory system
 - aggravates asthma
 - sensitive receptors at risk
 - can also damage crops & vegetation



Regulatory Authority

- **National (US EPA)**
 - Regulate aircraft, ships, trains, construction equip.
- **State (Air Resources Board)**
 - Regulate on-road vehicles, consumer products
- **Regional**
 - Air District
 - Develop AQ plans and control measures
 - Regulations and permits for stationary sources
 - MTC
 - Regional transportation plans and programs
 - Implement TCMs in cooperation with other agencies



Bay Area Attainment Status

- State ozone standards:
 - 1-hr std: 0.09 ppm – non-attainment
 - 8-hr std: 0.07 ppm – not yet classified
- Federal ozone standards:
 - 1-hr std: revoked by EPA June 2005
 - 8-hr std: 0.08 ppm - marginal non-attainment

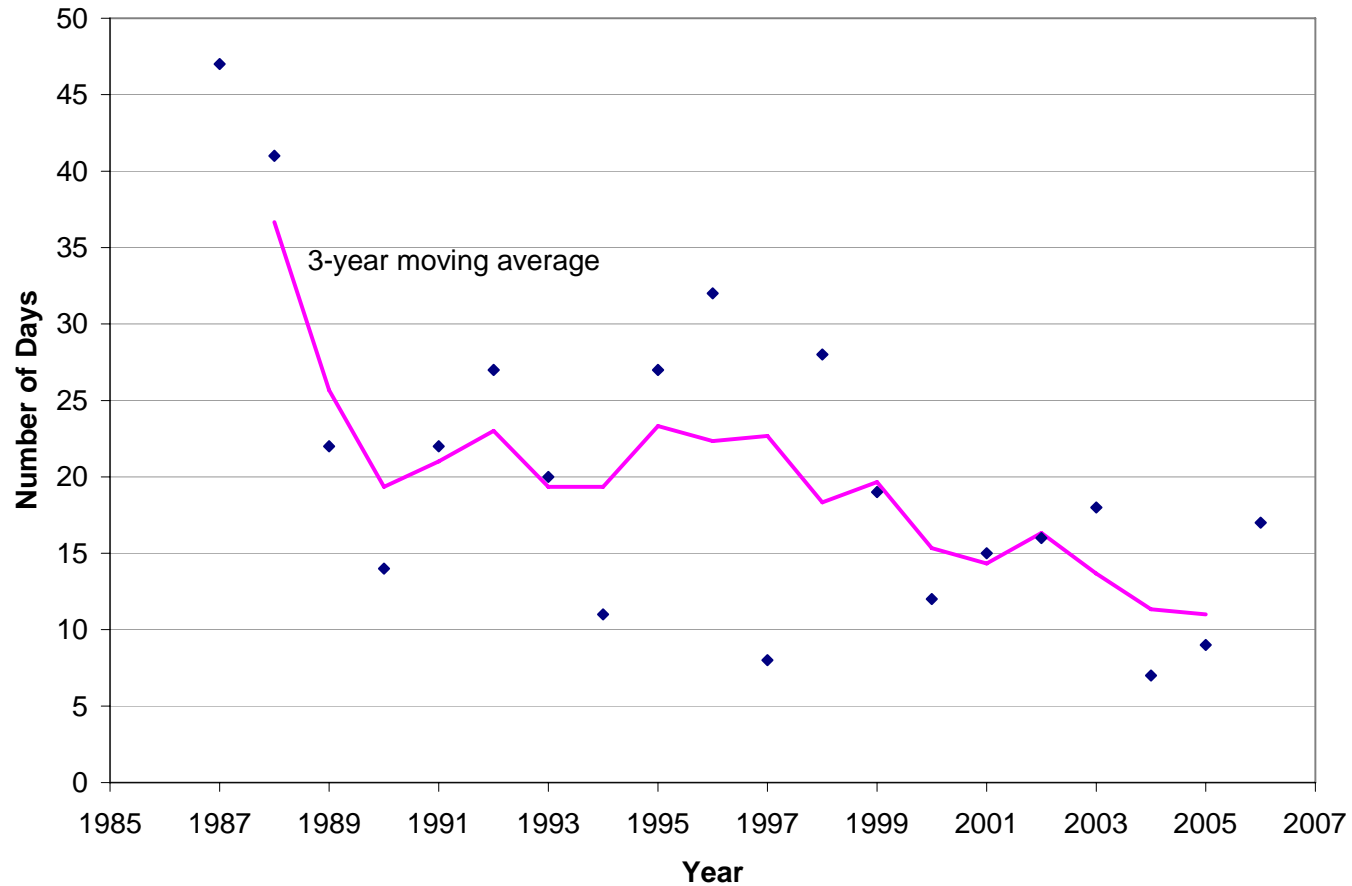


Ozone Planning Requirements

- Ozone Strategy responds to State law
- Ozone Strategy serves as roadmap:
continue our progress toward attainment
of CA 1-hr & 8-hr ozone stds in Bay Area
- Reduce transport to neighboring air basins
- Bay Area is not required to prepare a SIP
per Federal CAA: marginal non-attainment



Days Over CA 1-Hr O₃ Std





Bay Area 2005 Ozone Strategy

- Adopted January 2006
- Product of long resource-intensive process
- Extensive public outreach & public input
- Thorough update to control strategy
- Control measures for years 2004-2007:
 - stationary source measures
 - mobile source measures
 - transportation control measures
 - further study measures



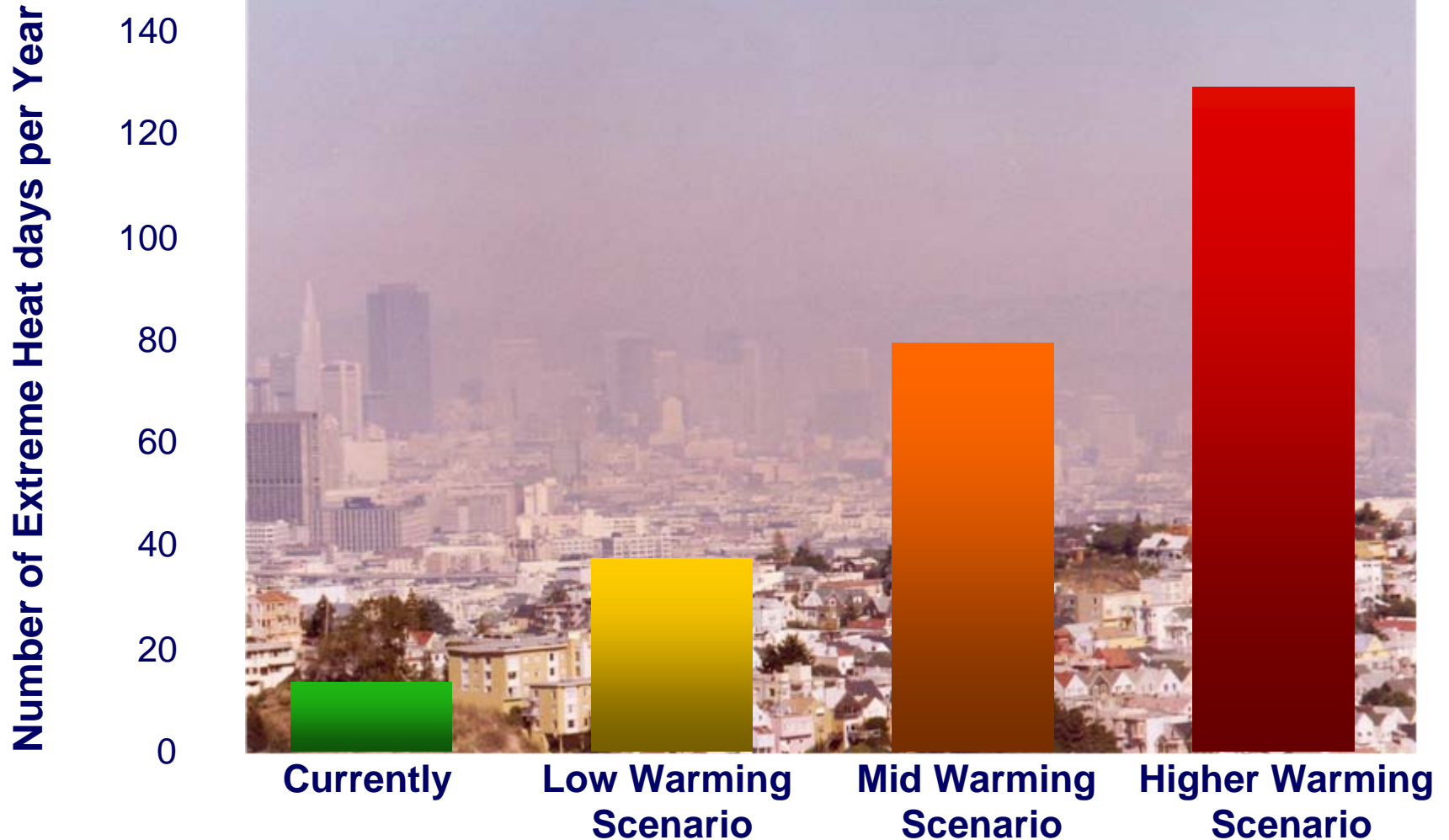
Looking Forward

- Ozone precursors will continue to decrease in future years due to Bay Area Ozone Strategy & State control measures
- Challenges:
 - Ozone stds becoming more stringent
 - Increasing motor vehicle travel
 - Higher temperatures may cause more emissions & higher ozone levels



San Francisco

Extreme Heat Days 2070-90





Questions

Questions / comments re: ozone background?



Ozone Strategy Linkages with other Programs & Initiatives

- Particulate Matter programs
- Air Toxics: Diesel / Goods Movement / CARE Program
- Greenhouse Gases / Climate Protection
- Focus Our Vision
 - Regional Smart Growth Initiative
- Regional Transportation Plan Update



Co-Benefits

- Efforts to reduce ozone, PM, air toxics & greenhouse gases are complementary
- Control Measures in Ozone Strategy will also reduce PM, TACs & CO₂
- Reducing greenhouse gases (CO₂ emissions) will help reduce ozone:
 - less evaporative emissions of ROG
 - less biogenic emissions of ROG
 - less heat to stimulate ozone formation



Particulate Matter

- Nov. 2005 District adopted PM implementation schedule pursuant to SB 656
- Enhanced wood smoke program
- New, more stringent national PM2.5 standard



Air Toxics

- Air toxics evaluation in District permits
- ARB Diesel Risk Reduction Program
- Goods Movement
- CARE Program
- West Oakland Health Risk Assessment



Climate Protection (CP)

- District CP program established June 2005
- Integrate CP into District's core programs
- Bay Area greenhouse gas inventory
 - transportation sector accounts for 50% of Bay Area CO2 emissions
- District's role: Partner & Catalyst
 - Nov. 2006 Climate Summit
 - New CP incentive program
 - Public outreach & education
 - Technical assistance to local governments
 - Collaborate w/ ARB re: AB 32



Focus Our Vision

- Focus will help implement regional smart growth vision
- Voluntary, collaborative approach
- Offer incentives to cities & counties to encourage transit-oriented development
- Focus will promote transit, walking, biking
 - help reduce motor vehicle trips & VMT
- Focus can help reduce CO2 emissions



2009 Regional Transportation Plan

- Long-range transportation plan (2035)
- Approach: Define Vision first, then apply Finances
- RTP Goals:
 - A Safe and Well-Maintained System
 - Transportation Security & Emergency Management (new)
 - A Reliable Commute
 - Access to Mobility
 - Livable Communities
 - Clean Air
 - Managing Global Warming (new)
 - Moving Goods to Market
- Project Schedule
 - Phase 1: Vision
 - Phase 2: Finances & Technical Analysis
 - Phase 3: Draft and Final Plan



Questions

Questions / comments re:
complementary programs / initiatives?



State Clean Air Act Requirements

CA Clean Air Act requires:

- Triennial update to regional ozone plan
- Report on progress in implementing previous plan (2005 Ozone Strategy)
- Update control measures & regulations to be adopted & implemented
- Include “all feasible measures”
- Reduce transport to neighboring areas



2007 Ozone Strategy

- Update emission inventory of ROG & NO_x including EMFAC 2007 for mobile sources
- Update info re: ozone levels & trends
- Report on progress in implementing control measures in 2005 Strategy
- Review control measures; make appropriate revisions
- Integrate ozone plan w/ climate protection and other programs



Types of Control Measures

- Stationary / Area Source Measures
 - factories, refineries, dry cleaners, etc.
- Mobile Source Measures
 - promote use of cleaner vehicles & fuels
- Transportation Control Measures
 - promote alt. modes to reduce VMT
- Further Study Measures
 - require additional review & analysis



Control Measure Review

- Review Measures in 2005 Ozone Strategy
- Evaluate proposed measures in new SIPs:
 - South Coast, Sacramento & San Joaquin
- Evaluate public input & suggestions
- Evaluation factors will include:
 - technical feasibility
 - potential emission reductions
 - cost-effectiveness
 - public acceptability



CEQA Review

- Air District is lead agency for CEQA review of 2007 Ozone Strategy
- CEQA review evaluates potential adverse impacts of new control measures
- District will determine appropriate level of CEQA review after analyzing whether new control measures would create any potential significant adverse impacts



Tentative Schedule

- Initial public suggestions due by April 27
- April-June, Air District will:
 - evaluate public comments/suggestions
 - update stationary & mobile measures
 - review TCMs in consultation w MTC
 - consult w/ neighboring air districts
- Release draft Strategy: by July 2007
- Public workshop on Strategy: Aug. 2007
- Hearing/adoption BAAQMD Board: Oct. 07



Questions

Questions / comments re:
2007 Ozone Strategy?



Submit Suggestions

- Submit written suggestions by April 27
- Email is preferred: dburch@baaqmd.gov
- David Burch
BAAQMD
939 Ellis St.
San Francisco, CA 94109

415-749-4641
- www.baaqmd.gov/pln/plans/ozone/index.htm